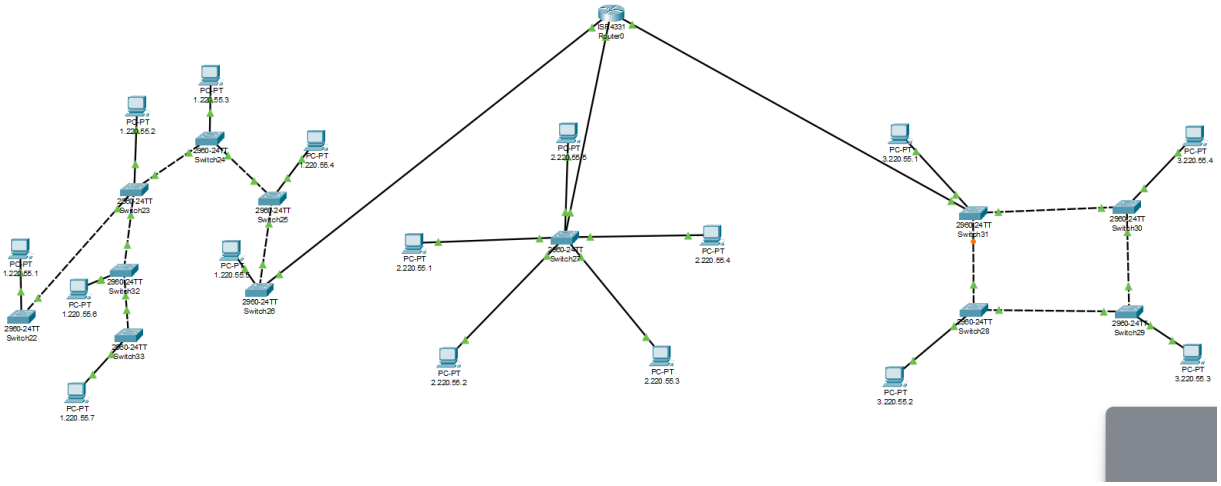
NAME: K.SASANK ROLLNO: AM.EN.U4ECE22055

ASSIGNMENT

Create 3 LAN networks connected via a single Router (CPT).Choose appropriate router, connection and configure it. Each LAN network is configured via Tree, Star and Ring topologies respectively.



LAN1-IP Addresses – 1.220.55.1-1.220.55.7

LAN2-IP Addresses – 2.220.55.1- 2.220.55.5

LAN3 -IP Addresses –3.220.55.1 - 3.220.55.4

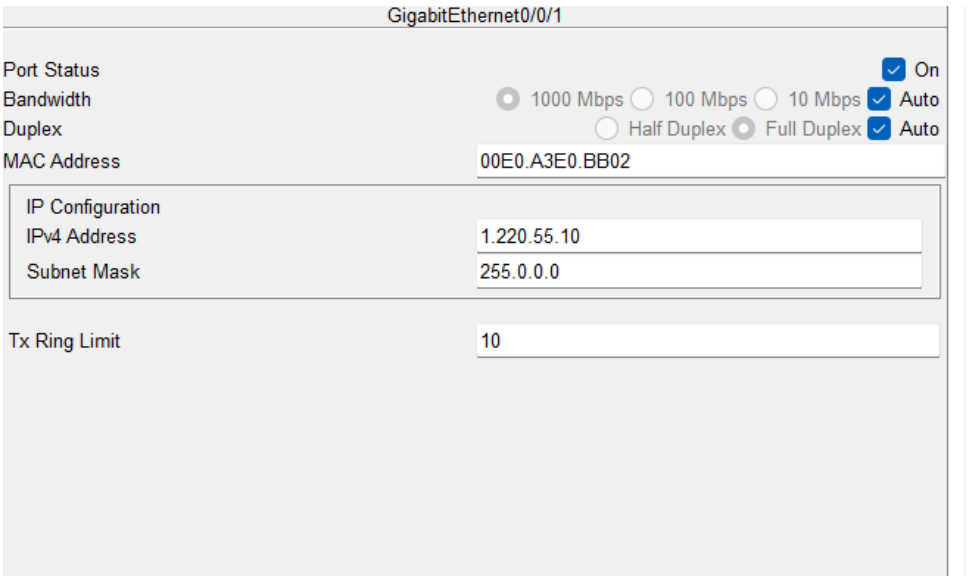
ROUTER CONFIGURATION:

GigabitEthernet0/0/0->Connected to LAN3(RING TOPOLOGY)

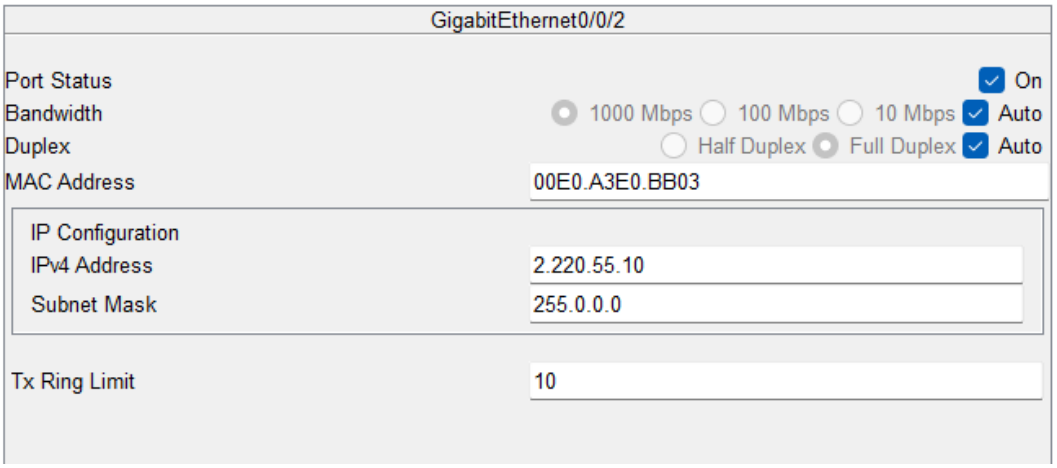
GigabitEthernet0/0/1->Connected to LAN1(TREE TOPOLOGY)

GigabitEthernet0/0/2->Connected to LAN2(STAR TOPOLOGY)

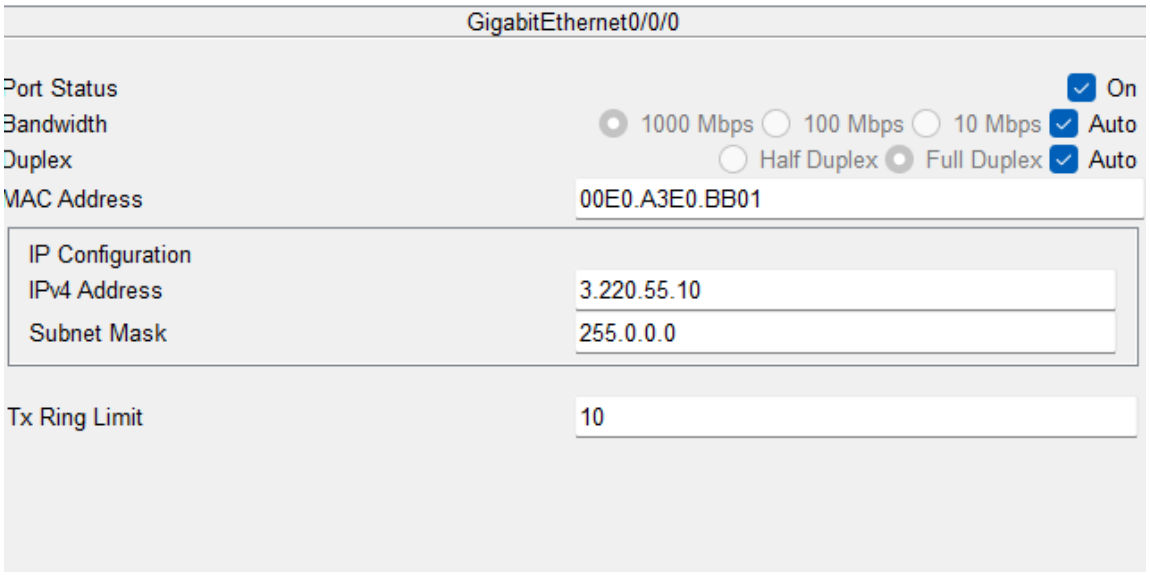
LAN1 ROUTER CONFIGURATION:



LAN2 ROUTER CONFIGURATION:

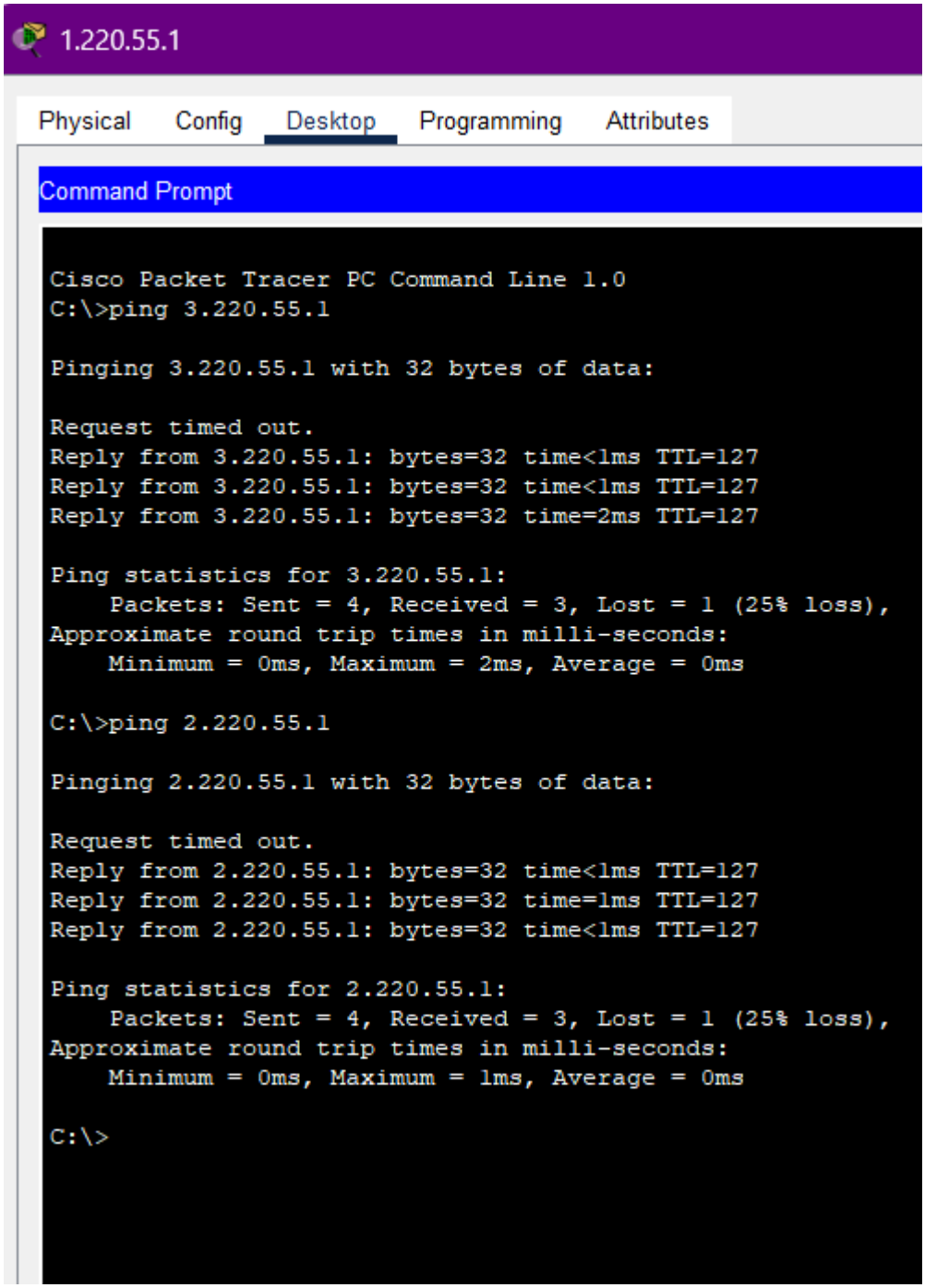


LAN3 ROUTER CONFIGURATION:



RESULT:

ire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	1.220...	2.220.55.1	ICMP		0.000	N	0	(edit)	(delete)



=>Here all pc's has been named as their Ip address.

=>The IP address given to Router is also gateway address to all pc 's in the LAN.